Raymond F. Lippitt 17519 Donald B. Deaver 23048 Glenn J. Perry 28458 Jeffrey A. Simenauer 319 G. Lloyd Knight 17698 David W. Brinkman 20817 Kendrew H. Colton 30368 Robert A. Molan 298 Carl G. Love 18781 George M. Sirilla 18221 Chris Comuntzis 31097 G. Paul Edgell 242 Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 22057 W. Warren Taltavull 25647 Lawrence Harbin 27644 Frederick S. Frei 271 Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329		ATIONS	L.; 2112711597	ITED STA	ES PATENT AND	TRAL . JARK O	FFICE	
the specification of which (CHECK applicable BOX(ES)) 1 15 attacked hereto 1 15 attacked hereto 2 15 attacked hereto 3 10 10 10 10 10 10 10	the original, first and sole	maenmi (n o	THE PROPERTY OF THE PROPERTY O	INVENTIO	nginal, first and joini NENTITLED	inventor (if plural	names are listed below	of the subj
> EQ. was filed as PCT International Application No. 0 PCT > EQ. was filed as PCT International Application No. PCT // On Just filed as PCT International Application No. PCT // On Interby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendor referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I he claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign applications for patent or inventor's ocentificate (Tied by me or my assigned disclosing the subject matter claimed in this application and he affining date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filling date of this application: PRIOR FOREIGN APPLICATION(S) Day/MONTH/Year Filed Date first Laid- or Granted Priority Claimed Yea No					YPE GROUP III	NITRIDE COMPO	IND SEMICONDUCTORS	3
SEX was filed on Hary 30, 1997 as U.S. Application No. 0. 0. 8 866, 129 NESS > C was filed as PCT International Application No. PCT -> > and (if applicable to U.S. or PCT application), was amended on thereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amending the content of the above including the claims, as amended by any amending the above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I he claim foreign priority benefits under 35 U.S. C. 119765 of any foreign application (for patent or invender) securificate listed below and have also idently any foreign application for patent or invender's certificate field by mer or my assignee disclosing the subject mater dut in this application and ha a filing date (I) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application. I amending the content of the application on which priority is claimed, or (2) if no priority claimed. Peter the filing date of this application. I amending the content of the application. I amending the patental of the patental of the patental of patental in this applications. I steed below and provided the duty of the patental of patental applications is itsed above or be and, if this is a continuation-in-part (CPP) application, insofar as the subject mater disclosed and claimed in this applications is addition to that disclose used prior applications. I acknowledge the duty of disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 we became available between the filing date of each such prior application and the national or PCT international filing date of this application: PRIOR U.S. OR PCT APPLICATION(S) Application No. (sentes code/serial no.) Day/MONTH/Year Filed I hereby declare that all statements made herein of my own knowledge are true and that	-	· ·	ECK applicable BOX(ES	ט				
X(ES) -> {] was filed as PCT International Application No. PCT	-> KX was fi	iled on	May 30, 1997	as U	S. Application No.	0 8 866,129		
Thereby state that I have reviewed and understand the contension of the above identified specification, including the claims, as amended by any amendance for the first that I have reviewed and understand the contension of the above identified specification, including the claims, as amended by any amendance for the first that I have reviewed and understand the contension of the above identified specification, including the claims, as amended by any amendance for the content of the process of the	X(ES) -> [] was fi	led as PCT Ir	iternational Application N	lo. PCT/	/	on		
referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I he claim foreign priority benefits under 35 U.S. C. 119/355 f any foreign applications () for patent or inventor's certificate flied by me or my assignee disclosing the subject matter claimed in this application and has a fining date () before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application. PRIOR FOREIGN APPLICATION(S)	-> -> and (if applicable	e to U.S. or I	CT application) was ame	nded on _	11			
Number Country 1996 Day/MONTH/Year Filed open or Published or Granted Yes No 160885/1996 JAPAN 31 MAY 1996 XXX I hereby claim the benefit under 35 U.S.C. 120/365 of all United States applications listed below and PCT international applications listed above or be and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that discle in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56w became available between the filing date of each such prior application and the national or PCT international filing date of this application: PRIOR U.S. OR PCT APPLICATION(S) Application No. (series code/serial no.) Day/MONTH/Year Filed I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fini imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of application or any patent issued thereon. And I hereby appoint Cushman Darby & Cushman, L.L.P. 1100 New York Avenue, N.W., Ninth Floor, East Tower Washington, D. C. 20005-3918 telephonumber 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively attorneys them to act and tety on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/with I hereby declare that I have consented after full disclosure to be represented unless/until I instituted that the person and the property of the person and persons (of the same address) individually and collectively attorneys to prosecute this application and to transact all business in the Patent and Trademark Offic	referred to above. I acknowledge claim foreign priority bene below any foreign application.	owledge the of efits under 35 ion for patent	luty to disclose all informations. U.S.C.119/365 of any for or inventor's certificate file.	ation knowr eign applicat ed by me or	to me to be materi ion(s) for patent or my assignee disclosin	al to patentability inventor's certifica ig the subject matte	as defined in 37 C.F.R te listed below and have r claimed in this applica	. 1.56. I here also identifi tion and hav
I hereby claim the benefit under 35 U.S.C. 120/365 of all United States applications listed below and PCT international applications listed above or be and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that discle in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56w became available between the filling date of each such prior application and the national or PCT international filling date of this application: PRIOR U.S. OR PCT APPLICATION(S)	PRIOR FOREIGN APPL	ICATION(S)		D	ate first Laid-	Date Patented	Priority (Claimed
I hereby claim the benefit under 35 U.S.C. 120/365 of all United States applications listed below and PCT international applications listed above or be and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that discle in such prior applications. I acknowledge the duty to disclose all information known to me to be material patentability as defined in 37 C.F.R. 1.56 we became available between the filling date of each such prior application and the national or PCT international filling date of this application: PRIOR U.S. OR PCT APPLICATION(S) Application No. (series code/serial no.) Day/MONTH/Year Filed Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fin imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of application or any patent issued thereon. And I hereby appoint Cushman Darby & Cushman, L.L.P. 1100 New York Avenue, N.W., Ninth Floor, East Tower Washington, D.C. 20005-3918.teleph number 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent of the property of the same address	<u>Number</u> <u>C</u>	Country	Day/MONTH/Year F	<u>iled o</u>	pen or Published	or Granted	Yes	No
and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that discle in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56w became available between the filing date of each such prior application and the national or PCT international filing date of this application: PRIOR U.S. OR PCT APPLICATION(S) Application No. (series code/serial no.) Day/MONTH/Year Filed Day/MONTH/Year Filed I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by finimprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of application or any patent issued thereon. And I hereby appoint Cushman Darby & Cushman, L.L.P. 1100 New York Avenue, N.W., Ninth Floor, East Tower Washington, D.C. 20005-3918, teleph number 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting pate and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/wifirst sends/sent this case to them and by whon/which I hereby declare that I have consented after full disclosure to be represented unless/until I inst Cushman, Darby & Cushman in writing to the contrary. Paul N. Kokulis 16773 Edward M. Prince 22429 Dale S. Lazar 28872 Michelle N. Lester 323 Raymond F. Lippitt 17599 David M. Brinkman 20817 Kendrew H. Colton 30308 Robert A. Molan 298 C	160885/1996	JAPAN	31 MAY 1996				XXX	
imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of application or any patent issued thereon. And I hereby appoint Cushman Darby & Cushman, L. L. P. 1100 New York Avenue, N.W., Ninth Floor, East Tower Washington, D. C. 20005-3918 teleph number 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting pat and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/wl first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instructions, Darby & Cushman in writing to the contrary. Paul N. Kokulis 16773 Edward M. Prince 22429 Dale S. Lazar 28872 Michelle N. Lester 323 Raymond F. Lippitt 17519 Donald B. Deaver 23048 Glenn J. Perry 28458 Jeffrey A. Simenauer 319 G. Lloyd Knight 17698 David W. Brinkman 20817 Kendrew H. Colton 30368 Robert A. Molan 298 Carl G. Love 18781 George M. Sirilla 18221 Chris Comunitzis 31097 G. Paul Edgell 242 Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 I. INVENTOR'S SIGNATURE: Inventor's Name (typed) Toshiya Venura Date 12/JUNE/1997 UEMURA JAPAN		de/serial no.)	<u>D</u> a	ay/MONTH/	Year Filed		<u>pending, abandoned, pa</u>	tented
number 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting pate and I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/wifirst sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instructions. Paul N. Kokulis 16773 Edward M. Prince 22429 Dale S. Lazar 28872 Michelle N. Lester 323 Raymond F. Lippitt 17519 Donald B. Deaver 23048 Glenn J. Perry 28458 Jeffrey A. Simenauer 319 G. Lloyd Knight 17698 David W. Brinkman 20817 Kendrew H. Colton 30368 Robert A. Molan 298 Carl G. Love 18781 George M. Sirilla 18221 Chris Comuntzis 31097 G. Paul Edgell 242 Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 22057 W. Warren Taltavull 25647 Lawrence Harbin 27644 Frederick S. Frei 271 Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 1. INVENTOR'S SIGNATURE: Toshiya Venuala Date 12/JUNE/1997 UEMURA JAPAN	I hereby declare that all st	atements mad	le herein of my own know were made with the kr	ledge are transverse the	ue and that all states	ments made on inf	formation and belief are	believed to
Raymond F. Lippitt 17519 Donald B. Deaver 23048 Glenn J. Perry 28458 Jeffrey A. Simenauer 319 G. Lloyd Knight 17698 David W. Brinkman 20817 Kendrew H. Colton 30368 Robert A. Molan 298 Carl G. Love 18781 George M. Sirilla 18221 Chris Comuntzis 31097 G. Paul Edgell 242 Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 22057 W. Warren Taltavull 25647 Lawrence Harbin 27644 Frederick S. Frei 271 Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 1. INVENTOR'S SIGNATURE: Toshiya Uemura Date 12/JUNE/1997 UEMURA JAPAN JAPAN Toshiya Uemura Uemura Uemura Japan Uemura Uemura Japan Uemura U	I hereby declare that all st true; and further that the imprisonment, or both, un	ese statements ider Section 1	were made with the kr 001 of Title 18 of the Uni	nowledge the	it willful false state	ments and the lik	e so made are punisha	ble by fine
Raymond F. Lippitt 17519 Donald B. Deaver 23048 Glenn J. Perry 28458 Jeffrey A. Simenauer 319 G. Lloyd Knight 17698 David W. Brinkman 20817 Kendrew H. Colton 30368 Robert A. Molan 298 Carl G. Love 18781 George M. Sirilla 18221 Chris Comuntzis 31097 G. Paul Edgell 242 Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 22057 W. Warren Taltavull 25647 Lawrence Harbin 27644 Frederick S. Frei 271 Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 1. INVENTOR'S SIGNATURE: Toshiya Uemura Date 12/JUNE/1997 UEMURA JAPAN JAPAN Toshiya Uemura Uemura Uemura Japan Uemura Uemura Japan Uemura U	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent in And I hereby appoint Cush number 861-3000 (to whom attorneys to prosecute this and I hereby authorize therefirst sends/sent this case to	ese statements ader Section 1 issued thereon nman Darby & m all commun s application a m to act and n o them and b	were made with the kn 001 of Title 18 of the Unit. a Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do	w York Ave d), and the s in the Pate	nue, N.W., Ninth Flobelow-named person nat and Trademark of the directly with the	ments and the lik willful false statement oor, East Tower W ns (of the same ad Office connected the person/assignee/at	te so made are punishants may jeopardize the vashington, D.C.20005-dress) individually and the rewith and with the retorney/firm/organizat	ble by fine validity of t 3918,telephor collectively resulting pater ion who/whi
G. Lloyd Knight 17698 David W. Brinkman 20817 Kendrew H. Colton 30368 Robert A. Molan 298 Carl G. Love 18781 George M. Sirilla 18221 Chris Comuntzis 31097 G. Paul Edgell 242 Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 William K. West, Jr. 22057 W. Warren Taltavull 25647 Lawrence Harbin 27644 Frederick S. Frei 271 Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 1. INVENTOR'S SIGNATURE: Toshiya Venura Date 12/JUNE/1997 UEMURA JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent is And I hereby appoint Cush number 861-3000 (to whom attorneys to prosecute this and I hereby authorize therefirst sends/sent this case to Cushman, Darby & Cushman	ese statements ader Section 1 issued thereon mman Darby & m all commun s application a m to act and n o them and b nan in writing	were made with the kn 001 of Title 18 of the Unit. a Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary.	nowledge that ited States (ew York Ave d), and the s in the Pate and communic eclare that I	nue, N.W., Ninth Flobelow-named person int and Trademark of the directly with the have consented after	ments and the lik willful false statement oor, East Tower Wass (of the same ad Office connected the person/assignee/are er full disclosure to	te so made are punisha ents may jeopardize the lashington, D.C. 20005- dress) individually and herewith and with the re- torney/firm/ organizat be represented unless/	ble by fine validity of the 3918, telephone collectively assulting pater ion who/white until I instru
Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter William K. West, Jr. Edgar H. Martin 20534 Donald J. Bird 25323 Wallace G. Walter 27843 Lynn E. Eccleston 358 Wallace G. Walter 27843 Lynn E. Eccleston 271 Lawrence Harbin 27644 Frederick S. Frei 271 Sevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 307 Mark G. Paulson 307 Inventor's Name (typed) Toshiya Toshiya UEMURA JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent is And I hereby appoint Cush number 861-3000 (to whom attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushman, Paul N. Kokulis	ese statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and m o them and b man in writing	were made with the kn 001 of Title 18 of the Unit. a Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince	nowledge the ited States (ew York Ave d), and the s in the Pate and communic eclare that I 22429	nue, N.W., Ninth Flobelow-named person nat and Trademark of the directly with the have consented after	ments and the lik willful false statement oor, East Tower Wans (of the same ad Office connected the person/assignee/attention full disclosure to 28872	te so made are punisha ents may jeopardize the lashington, D.C. 20005- dress) individually and herewith and with the re- torney/firm/ organizat be represented unless/	ble by fine validity of the 3918, telephonical collectively is esulting pater ion who/white until I instru
William K. West, Jr. 22057 W. Warren Taltavull 25647 Lawrence Harbin 27644 Frederick S. Frei 271 Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 1. INVENTOR'S SIGNATURE: Toshiya Venuva Date 12/JUNE/1997 Inventor's Name (typed) Toshiya UEMURA JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushm Paul N. Kokulis Raymond F. Lippitt G. Lloyd Knight	ese statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n o them and b man in writing 16773 17519 17698	were made with the kr 001 of Title 18 of the Unit. Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman	ew York Aved), and the sin the Pate and communic eclare that I	nue, N.W., Ninth Flobelow-named person nat directly with the have consented after Dale S. Lazar Glenn J. Perry Kendrew H. Colton	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected the person/assignee/at er full disclosure to 28872 28458 n 30368	te so made are punisha ents may jeopardize the lashington, D.C. 20005- dress) individually and herewith and with the re- torney/firm/ organizate be represented unless/ Michelle N. Lester Jeffrey A. Simenauer Robert A. Molan	ble by fine validity of the 3918, telephonical collectively is issulting paterion who/white until I instruction in the 3233 3193
Kevin E. Joyce 20508 Peter W. Gowdey 25872 Paul E. White, Jr. 32011 David A. Jakopin 329 Mark G. Paulson 307 1. INVENTOR'S SIGNATURE: Joshiya Usmula Date 12/JUNE/1997 Inventor's Name (typed) Toshiya Usmula JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushman, Paul N. Kokulis Raymond F. Lippitt G. Lloyd Knight Carl G. Love	ese statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n o them and b nan in writing 16773 17519 17698 18781	were made with the kn 001 of Title 18 of the Unit. Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman George M. Sirilla	ew York Aved), and the sin the Patt and communic eclare that I	nue, N.W., Ninth Flobelow-named person nat directly with the have consented after Dale S. Lazar Glenn J. Perry Kendrew H. Colto: Chris Comuntzis	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected the person/assignee/at er full disclosure to 28872 28458 n 30368 31097	de so made are punisha ents may jeopardize the destroy of the control of the cont	ble by fine validity of the 3918, telephot collectively it esulting pater ion who/whit until I instru- 3233 3193 2983 2423
1. INVENTOR'S SIGNATURE: Toshiya Usmura Date 12/JUNE/1997 Inventor's Name (typed) Toshiya Usmura UEMURA JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushm Paul N. Kokulis Raymond F. Lippitt G. Lloyd Knight Carl G. Love Edgar H. Martin	ese statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n to them and b man in writing 16773 17519 17698 18781 20534	were made with the kn 001 of Title 18 of the Unit. 2 Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman George M. Sirilla Donald J. Bird	ew York Aved), and the sin the Pate and communic eclare that I	nue, N.W., Ninth Flobelow-named person and Trademark of attended after Dale S. Lazar Glenn J. Perry Kendrew H. Colto Chris Comuntzis Wallace G. Walter	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected the person/assignee/att er full disclosure to 28872 28458 n 30368 31097 27843	e so made are punisha ents may jeopardize the lashington, D.C. 20005- dress) individually and herewith and with the re- torney/firm/ organizate be represented unless/ Michelle N. Lester Jeffrey A. Simenauer Robert A. Molan G. Paul Edgell Lynn E. Eccleston	ble by fine validity of to 3918, telephor collectively resulting pater ion who/whituntil I instru- 3233 3193 2983 2423 3586
1. INVENTOR'S SIGNATURE: Toshiya Vemuna Date 12/JUNE/1997 Inventor's Name (typed) Toshiya UEMURA JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushman, Darby & Cushman, Darby & Cushman, Cus	see statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n to them and b man in writing 16773 17519 17698 18781 20534 22057	were made with the kn 001 of Title 18 of the Unit. A Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman George M. Sirilla Donald J. Bird W. Warren Taltavull	ew York Aved), and the sin the Pate of communic eclare that I	nue, N.W., Ninth Flobelow-named person nt and Trademark (at directly with the have consented after Dale S. Lazar Glenn J. Perry Kendrew H. Colto Chris Comuntzis Wallace G. Walter Lawrence Harbin	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected th person/assignee/an er full disclosure to 28872 28458 n 30368 31097 27843 27644	e so made are punisha ents may jeopardize the statement of the control of the control dress) individually and an erewith and with the retorney/firm/ organizate to be represented unless/ Michelle N. Lester Jeffrey A. Simenauer Robert A. Molan G. Paul Edgell Lynn E. Eccleston Frederick S. Frei	ble by fine validity of the 3918, telephore collectively resulting pater ion who/white until I instru- 3233 3193 2983 2423 3586 2710
Inventor's Name (typed) Toshiya V UEMURA JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushman, Darby & Cushman, Darby & Cushman, Cus	see statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n to them and b man in writing 16773 17519 17698 18781 20534 22057	were made with the kn 001 of Title 18 of the Unit. A Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman George M. Sirilla Donald J. Bird W. Warren Taltavull	ew York Aved), and the sin the Pate of communic eclare that I	nue, N.W., Ninth Flobelow-named person nt and Trademark (at directly with the have consented after Dale S. Lazar Glenn J. Perry Kendrew H. Colto Chris Comuntzis Wallace G. Walter Lawrence Harbin	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected th person/assignee/an er full disclosure to 28872 28458 n 30368 31097 27843 27644	e so made are punisha ents may jeopardize the lashington, D.C. 20005- dress) individually and herewith and with the re- torney/firm/ organizate be represented unless/ Michelle N. Lester Jeffrey A. Simenauer Robert A. Molan G. Paul Edgell Lynn E. Eccleston Frederick S. Frei David A. Jakopin	ble by fine validity of the 3918, telephore collectively resulting pater ion who/white until I instruction 3233 3193 2983 2423 3586 2710 3299
	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushm Paul N. Kokulis Raymond F. Lippitt G. Lloyd Knight Carl G. Love Edgar H. Martin William K. West, Jr. Kevin E. Joyce	see statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n to them and b man in writing 16773 17519 17698 18781 20534 22057 20508	were made with the kn 001 of Title 18 of the Unit & Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman George M. Sirilla Donald J. Bird W. Warren Taltavull Peter W. Gowdey	ew York Aved), and the sin the Pate of communic eclare that I	nue, N.W., Ninth Flobelow-named person nt and Trademark (at directly with the have consented after Dale S. Lazar Glenn J. Perry Kendrew H. Colto Chris Comuntzis Wallace G. Walter Lawrence Harbin	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected the person/assignee/att er full disclosure to 28872 28458 n 30368 31097 27843 27644 32011	e so made are punishanches may jeopardize the description of the corney	ble by fine validity of to 3918, telephor collectively resulting pater ion who/which until I instruction 3233 3193 2983- 2423: 3586 2710: 3299
Residence (City) Aichi-ken (State/Foreign Country) JAPAN	I hereby declare that all strue; and further that the imprisonment, or both, un application or any patent if And I hereby appoint Cush number 861-3000 (to whor attorneys to prosecute this and I hereby authorize ther first sends/sent this case to Cushman, Darby & Cushman, Darby & Cushman, Darby & Cushman, Carl G. Lloyd Knight Carl G. Love Edgar H. Martin William K. West, Jr. Kevin E. Joyce 1. INVENTOR'S SIGNAT	see statements ader Section 1 issued thereon man Darby & m all commun s application a m to act and n to them and b man in writing 16773 17519 17698 18781 20534 22057 20508	were made with the kn 001 of Title 18 of the Unit. A Cushman, L. L. P. 1100 Netications are to be directed and to transact all businessely on instructions from any whom/which I hereby do to the contrary. Edward M. Prince Donald B. Deaver David W. Brinkman George M. Sirilla Donald J. Bird W. Warren Taltavull Peter W. Gowdey	ew York Aved), and the sin the Pate of communic eclare that I	nue, N.W., Ninth Flobelow-named person nt and Trademark (at directly with the have consented after Dale S. Lazar Glenn J. Perry Kendrew H. Colto Chris Comuntzis Wallace G. Walter Lawrence Harbin	ments and the lik willful false stateme oor, East Tower W ns (of the same ad Office connected th person/assignee/ate r full disclosure to 28872 28458 n 30368 31097 27843 27644 32011 Date 1	de so made are punisha ents may jeopardize the description of the series	ble by fine validity of the 3918, telephor collectively resulting pater ion who/whi

(State/Foreign Country) Post Office Address (Include Zip Code) 2-21-14, Kozawa, Inazawa-shi, Aichi-ken, 492, JAPAN (FOR ADDITIONAL INVENTORS, check box [X] and attach sheet (CDC-116.2) for same information for each re signature, name, date, citizenship,

Middle Initial

noire

Middle Initial

12/JUNE/1997

JAPAN

1997

JAPAN

Country of Citizenship

Country of Citizenship

SHIBATA

Family Name JAPAN

(State/Foreign Country) JAPAN kajima, Konobu, Bisai-shi, Aichi-ken, 494, JAPAN

NOIR

Family Name JAPAN

2. INVENTOR'S SIGNATURE:

3. INVENTOR'S SIGNATURE:

Inventor's Name (typed)

residence and address.)

Residence (City) Aichi-ken

Residence (City) __Aichi-ken

Shizuyo

First

Post Office Address (Include Zip Code)

Inventor's Name (typed)

Rule 56(a) & (b) = 37 C.F.R. 1.56(a) & (b) PATENT AND TRADEMARK CASES - RULES OF PRACTICE DUTY OF DISCLOSURE

(a) ... Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the [Patent and Trademark] Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability...(b) information is material to patentability when it is not cumulative and (1) It also establishes by itself, or in combination with other information, a prima facie case of unpatentability of a claim or (2) refers, or is inconsistent with, a position the applicant takes in: (i) Opposing an argument of unpatentability relied on by the Office, or (ii) Asserting an argument of patentability.

PATENT LAWS 35 U.S.C.

\$102. Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless--

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months* before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

\$103. Condition for patentability; non-obvious subject matter

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made. Subject matter developed by another person, which qualified as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

^{*} Six months for Design Applications (35 U.S.C. 172).



DEC 2 2 1997

DECLARATION AND POWER OF ATTORNEY

ا جزہ =

(continued)
ADDITIONAL INVENTORS

4	NVENTOR'S SIGNATURE	Sirigena	ite	rinch	
	inventor's Name (typed)	Shigemi		HORIUCHI	JAPAN
	,	First			Country of Oltizerish p
	Residence (City) Aichi-	-ken		(State Foreign Co.	untry JAPAN
Po			,Tsuyuhashi,N	lakagawa-ku,Nago	ya-shi,Aichi-ken,454_
	INVENTOR S SIGNATURE	TADAN			Date
	Inventor's Name (typed)				
		First	Middle Initial	Family Name	Country of Citizenship
	Residence (City)		<u>.</u>	(State Foreign Co.	untry)
Pc	ost Office Address (Include Z				
					Date
O .	Inventor's Name (typed)				
	mitemet a mame (types)	First			Country of Citizenship
	Residence (City)			· ·	
Pc	ost Office Address (Include Z				
	INVENTOR'S SIGNATURE.				
,	Inventor's Name (typed)				
	inventor's Name (typed)	First	Middle Initial	Family Name	Country of Citizenship
	Residence (City)				untry)
p.	ost Office Address (Include Z				
					Date
O	Inventor's Name (typed)				
	inventor's Hame (typed)	First	Middle Initial	Family Name	Country of Citizenship
	Residence (City)			, , , , , , , , , , , , , , , , , , ,	untry)
0.	ost Office Address (Include Z				
	INVENTOR'S SIGNATURE:				
9					
	Inventor's Name (typed)	First	Middle Initial	Family Name	Country of Citizenship
	Pasidones (City)			•	untry)
_	Residence (City)	-			G
٢(ost Office Address (Include Z	.ip Codei			
		-		· · · · · · · · · · · · · · · · · · ·	and simpature and data for
F	OR ADDITIONAL INVENTORS	S. check box $ _ $ an	nd attach sheet w	ith same information	and signature and date for

each